



Department of Public Health and Human Services
ENVIRONMENTAL LABORATORY
P.O. Box 4369, Helena, MT 59604
(406) 444-2642



HUD / FHA MORTGAGE TESTING

Effective 02/01/2014

PLEASE KEEP SAMPLE COOL AFTER COLLECTION

See reverse side for sample collection Instructions and Definitions

The U.S. Department of Housing and Urban Development requires water testing prior to approving a house with a private well for FHA mortgage insurance. HUD/FHA limits are based on the Environmental Protection Agency's drinking water Maximum Contaminant Levels (MCLs). Below is a list of required tests, along with MCL values.

Contaminant	HUD / EPA Requirement	Cost	Test ID
Lead (First Draw)	0.015 mg/L	\$24.00	PB
Nitrate (as Nitrogen)	10 mg/L	\$24.50	NO3-HUD
Nitrite (as Nitrogen)	1 mg/L	-	-
Total Nitrate/Nitrite	10 mg/L	-	-
Total Coliform Bacteria	< 10 per 100 mL	\$31.00	TCQT
E.coli Bacteria	zero	-	-
Total Cost:		\$79.50	

THE FOLLOWING SAMPLE INFORMATION MUST BE ENTERED:

COMPLETED RESULTS TO BE SENT TO (Please PRINT one letter per box):

Name

Address

City

State

Zip

Phone

SAMPLE INFORMATION:

(Please PRINT one letter per box):

Sample ID:

(Kitchen tap, bathroom sink, etc.)

COLLECT DATE: / / 2 0

COLLECT TIME: : AM PM

COLLECT BY:

PHONE # of Collector: () -

LAB USE ONLY IN THIS BOX

Date Rec'd: _____ Amount Rec'd: _____ **SAMPLE TYPE:** Water Other: _____ Checked by: _____
Time Rec'd: _____ Check #: _____ Sample Conductivity: _____
Rec'd By: _____ Date Check Written: _____

Number of Bottles Received:

BacT	Nutrients	Metals

Holding times observed?	Y N	SPLITS: (mL)	
- Under 48 hours for IC?	Y N	IC	50 250
Sample containers in acceptable condition?	Y N	Metals:	50 250
Sufficient sample volume for all tests?	Y N		

pH Check:

Metals: L F **Preserved in?** L F **Preserved with?** HNO3
Nutrients: L F H2SO4
Other: L F

Lab #:

DEFINITIONS

mg/L = milligrams per liter; one mg/L is equal to one part per million

< = less-than

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water

Lead is a naturally-occurring metal which has been used for numerous household purposes until recent years. It has been used in paints and in solders for plumbing. It may enter drinking water through corrosion of household plumbing systems or erosion of natural deposits in the earth.

Nitrate and Nitrite contamination may come from runoff from fertilizer use, leaching from septic tanks or livestock corrals or feedlots, or erosion of natural deposits. Infants below the age of six months who drink water that contains nitrate in excess of the MCL could become seriously ill and if untreated could die. Symptoms include shortness of breath and blue-baby syndrome.

Total Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Total coliform bacteria are usually not harmful, but because they co-exist with bacteria that can cause serious health problems, their presence can indicate that the water is susceptible to contamination from disease-causing bacteria. A household water supply which contains any total coliform bacteria should be disinfected before being used for drinking or cooking.

Escherichia coli (usually abbreviated to *E. coli*) is one of the main species of bacteria that live in the lower intestines of warm-blooded animals (including birds and mammals) and are necessary for the proper digestion of food. Its presence in groundwater is a common indicator of fecal contamination.

For more information about drinking water, contact the Environmental Protection Agency's Safe Drinking Water Hotline at 800-426-4791.

SAMPLE COLLECTION INSTRUCTIONS

Lead and Nitrate / Nitrite: (collect this sample first)

1. Allow the water to stand in the plumbing overnight, or for at least 6 hours.
2. Without allowing water to run down the drain, fill the liter bottle with water up to the neck (this is called the first draw). Cap tightly and write your name on the bottle.
3. Fill out sampling information on the reverse side and submit form and sample the laboratory.

Total Coliform / E. coli Bacteria: (collect this sample second)

1. A special, sterile bottle is required for this test. Bottles from the DPHHS Laboratory may have an adhesive strip across the cap; remove this strip completely before using the bottle.
2. Remove screen from cold water faucet. *Clean inside and outside of faucet with a solution of bleach and water.* Allow water to run 3-4 minutes. If you have a water softener, use a cold water faucet not on the softener.
3. Fill bottle to neck--without touching inside (this leaves 1/2 inch air space). Do not rinse out bottle; the white powder/tablet must be present.
4. Fill out sampling information on the reverse side and submit form and sample to arrive at lab **within 30 hours of collection.** Sample information items **must** be filled in. Incomplete forms may delay or invalidate processing.

DPHHS Environmental Laboratory / 1400 Broadway / Helena / MT / 59620
PO Box 4369 / Helena / MT / 59604
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